

AS81659/67

FEDERAL SUPPLY CLASS
5935

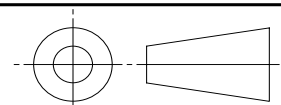
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THIRD ANGLE PROJECTION



ISSUED 2004-05

CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: MIL-C-81659

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CONNECTORS, ELECTRICAL, RECTANGULAR, RECEPTACLE, CRIMP CONTACTS, (SINGLE INSERT, TYPE IV, CLASS 1, (-65°C TO +125°C), SERIES 2, SHELL DESIGNATOR A, CLINCH NUT MOUNTING)

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SHEET 1 OF 4

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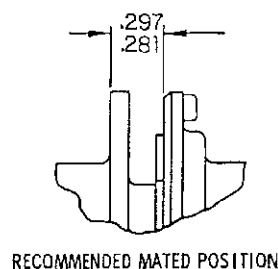
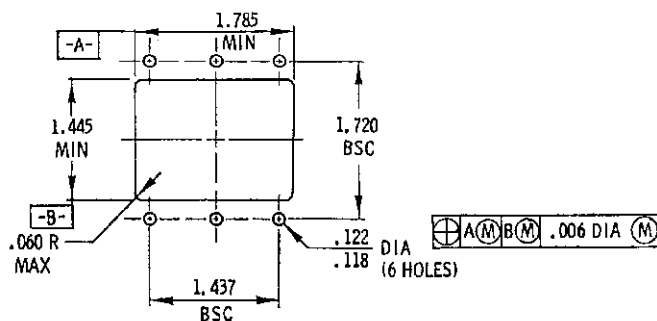
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FOR CONNECTOR DRAWING SEE PAGE 2.



SUGGESTED PANEL CUT-OUT DIMENSIONS

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.006	.15	.118	3.00	.541	13.74	1.367	34.72	1.725	43.82
.040	1.02	.122	3.10	.570	14.48	1.387	35.23	1.765	44.83
.047	1.19	.133	3.38	.7185	18.25	1.425	36.20	1.785	45.34
.050	1.27	.178	4.52	.720	18.29	1.427	36.25	1.985	50.42
.055	1.40	.198	5.03	.928	23.57	1.437	36.50	1.997	50.72
.060	1.52	.281	7.14	.948	24.08	1.445	36.70	2.015	51.18
.065	1.65	.297	7.54	1.000	25.40	1.447	36.75	2.027	51.49
.117	2.97	.521	13.23	1.326	33.68	1.720	43.69	2.250	57.15

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. METRIC EQUIVALENTS (TO THE NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
3. DIMENSIONS APPLY AFTER PLATING.
4. NORMAL (01) POLARIZATION POSITION SHOWN. FOR ALTERNATE POSITIONS SEE MIL-C-81659.
5. FOR LOCATION OF DATUMS G AND H REFER TO MIL-C-81659, FIGURE 5.
6. THIS CONNECTOR DOES NOT HAVE A WIRE SEALING GROMMET.

REQUIREMENTS:

INSERT ARRANGEMENTS SHALL BE IN ACCORDANCE WITH MS3157.

CONTACTS SHALL BE IN ACCORDANCE WITH MIL-C-39029/11 OR MIL-C-39029/12 AS APPLICABLE.

INSTALLING AND REMOVAL TOOLS SHALL BE IN ACCORDANCE WITH MS3156 OR MS3447.